

Name: \_\_\_\_\_

## ET\_1021 version 10

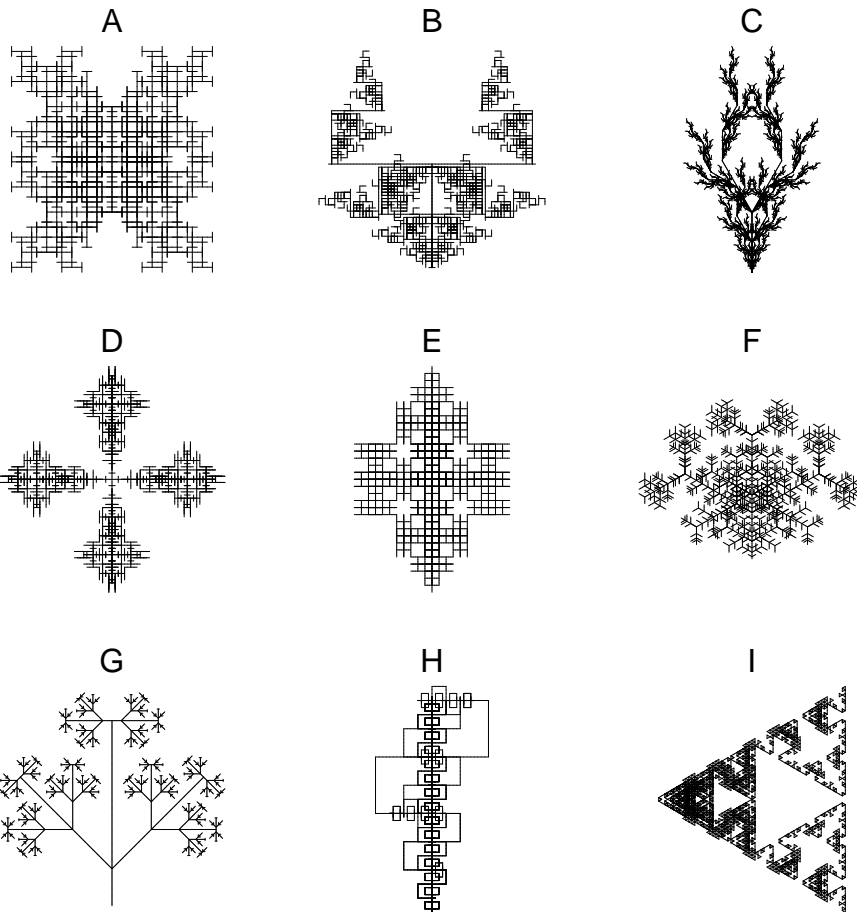
Consider the  $L$ -system (and angle) defined below:

- Start: A
- Rules:
  - A > B++A++A++B
  - B > AB[A-CC-CC-CCA]BA
  - C > CC

- Number of recursions (number of iterations): 5
- Angle:  $90^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



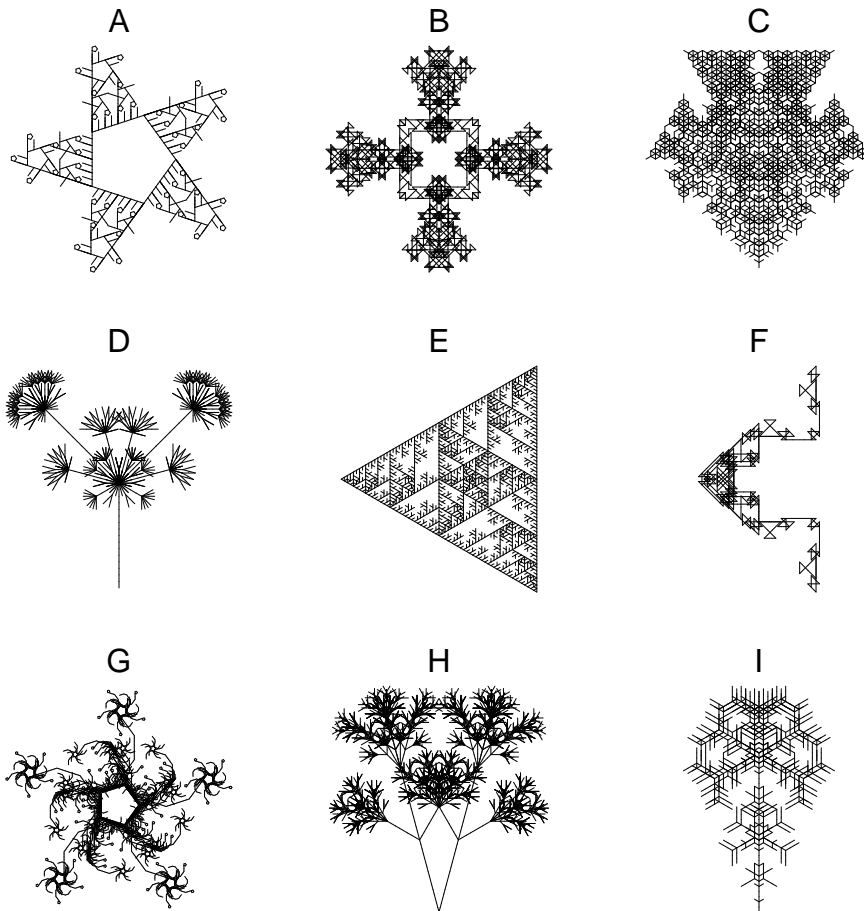
Which pattern is created?

Consider the  $L$ -system (and angle) defined below:

- Start:  $A++A++A++A$
- Rules:  
 $A \rightarrow B-ABA-B$   
 $B \rightarrow A+BB+A$
- Number of recursions (number of iterations): 4
- Angle:  $135^\circ$

Use the following sites to generate the pattern:

- [https://chadworley.github.io/Lsys\\_string\\_gen.html](https://chadworley.github.io/Lsys_string_gen.html)
- <https://scratch.mit.edu/projects/1225522722/editor/>



Which pattern is created?